



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Attorney Docket No. 108236.130)

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In re Application of: Jeffrey G. Moore)

Examiner: Not Yet Assigned)

Serial No. 10/083,936)

Group Art Unit: 1623)

Filing Date: February 27, 2002)

For: COMPOSITION AND METHOD FOR PROTECTING TISSUES AND CELLS FROM DAMAGE,
AND FOR REPAIRING DAMAGED TISSUES

CERTIFICATE OF FIRST CLASS MAILING UNDER 37 CFR §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on the date indicated below.

Date: Feb. 6, 2003

Patricia Corrigan
Patricia Corrigan

Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith for filing in the above-identified patent application are the following documents:

1. Information Disclosure Statement (2 pages);
2. Form PTO-1449 (2 pages);
3. Reference as Cited (31);
4. Certificate of First Class Mailing, and;
5. Return Postcard.

No fees are believed to be due in connection with this submission. However, please charge any fees that might be due or credit any overpayment to our Deposit Account No. 08-0219.

Respectfully submitted,

Date: Feb. 6, 2003
HALE AND DORR LLP
60 State Street
Boston, MA 02109
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Nancy Chiu
Nancy Chiu, Ph.D., Reg. No. 43,545
Attorney/Agent for Applicant



1623
PATENT

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P#12

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Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT

Commissioner:

Pursuant to 37 C.F.R. § 1.97-98, Applicant hereby makes of record the documents listed on the attached Form PTO-1449, and encloses copies herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

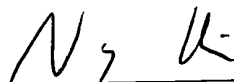
This submission does not represent that a search has been made and does not constitute an admission that the listed documents are material to patentability or that the listed documents are prior art. If it should be determined that any of the listed documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Officer the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

This Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits and is therefore submitted as both timely and proper; therefore, no fees are believed to be due. The Commissioner, however, is hereby authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Date: Feb. 6, 2003



Nancy Chiu, Ph.D.
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Form For, PTO-1449

INFORMATION DISCLOSURE IN AN APPLICATION

(Use several sheets if necessary)

Docket Number
108236.130

Application Number
10/083,936

Applicant
Moore, Jeffrey G.

Filing Date
02/27/2002

Group Art Unit
1623

Sheet 1 OF 2

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	4,808,611	02/28/89	Cosman	514	12	
	5,186,931	02/16/93	Kishimoto, et al	424	85.2	
	5,472,867	12/05/95	Kanz, et al	435	240.25	
	5,545,820	08/13/96	Gatehouse, et al	800	205	
	6,084,060	07/04/20	Moore	530	200	

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO 98 59038	30/12/98	WIPO				
	WO 98 25457	18/06/98	WIPO				
	WO 97 41224	06/11/97	WIPO				
	WO 95 00554	05/01/95	WIPO				
	WO 01 49851	30/12/99	WIPO				

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	COLUCCI, G., et al., "cDNA cloning of FRIL, a lectin from <i>Dolichos lablab</i> , that preserves hematopoietic progenitors in suspension culture", Proc. Natl. Acad. Sci. USA 96: 646-650, 1999
	GABIUS, H.J. "Non-Carbohydrate Binding Partners/Domains of Animal Lectins", Int. J. Biochem. 26(4):469-477, 1994
	GOWDA, L.R., et al., "The Complete Primary Structure of a Unique Mannose/Glucose-Specific Lectin from Field Bean", The Journal of Biological Chemistry 269(29):18789-18793, 1994
	HAO, Q.L., et al., "Extended Long-Term Culture Reveals a Highly Quiescent and Primitive Human Hematopoietic Progenitor Population", Blood 88(9):3306-3313, 1996
	HOFFMAN, L.M., et al., "Molecular Cloning of <i>Phaseolus Vulgaris</i> Lectin mRNA and Use of cDNA as a Probe to Estimate Lectin Transcript Levels in Various Tissues", Nucleic Acids Research 10(23):7820-7829, 1982
	KOLLET, O., et al., "The plant lectin FRIL supports prolonged in vitro maintenance of quiescent human cord blood CD34+CD38-/low/SCID repopulating stem cells", Experimental Hematology 28: 726-736, 2000
	LENFANT, M., et al., "Inhibitor of Hematopoietic Pluripotent Stem Cell Proliferation: Purification and Determination of Its Structure", National Academy of Science 86:779-782, 1989
	MO, H., et al., "Purification and characterization of <i>Dolichos lablab</i> lectin", Glycobiology 9(2), 173-179, 1999
	MOORE, J.G., et al., "A new lectin in red kidney beans called PvFRIL stimulates proliferation of NIH 3T3 cells expressing the Flt3 receptor", Biochimica Et Biophysica Acta 1475: 216-224, 2000
	MOORE, J.G., et al., "Preservation of hematopoietic progenitors for prolonged periods in suspension cultures by Flk2/flt3 receptor-interacting lectin (FRIL), a new lectin identified in red kidney beans", Blood 90:P 428A, 1997 (39 th annual meeting of the American Society of Hematology: San Diego, California, December 5-9, 1997)
	PUSZTAI, A., "Dietary lectins are metabolic signals for the gut and modulate immune and hormone functions", European Journal of Clinical Nutrition 47, 691-699, 1993
	SHAH, A.J., et al., "Flt3 Ligand Induces Proliferation of Quiescent Human Bone Marrow CD34+CD38 Cells and Maintains Progenitor Cells in Vitro", Blood 87(9):3563-3570, 1996
	SHARON, N., et al., "Lectins as Cell Recognition Molecules", Science 246:227-234, 1989
	SMALL, D., et al., STK-1, the Human Homolog of Flk-2/Flt-3, is Selectively Expressed in CD34+ Human Bone Marrow

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.

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Subt. For, PTO-1449		Docket Number 108236.130	Application Number 10/083,936
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		Filing Date 02/27/2002	Group Art Unit 1623
Sheet	1	OF	2



	Cells and is Involved in the Proliferation of Early Progenitor/Stem Cells" Proc. Natl. Acad. Sci. 91 :459-463, 1994
	STUBBS, M.E., et al., "Production of Pea Lectin in Escherichia coli", J. Biol. Chem. 261(14) :6141-6144, 1986
	TCHERNYCHEV, B., et al., "Natural human antibodies to dietary lectins", FEBS Letters 397 , 139-142, 1996
	VAN EIJSSEN, R.R., et al., "Mutational Analysis of Pea Lectin. Substitution of Asn125 for Asp in the Monosaccharide-Binding Site Eliminatesmannose/glucose-binding Activity". Plant Mol Biol. Dec;20(6):1049-58, 1992
	WANG, Q., et al., "Identification of intact peanut lectin in peripheral venous blood", The Lancet 352 , 1831-1832, 1998
	YOUNG, J.C., et al., "Retention of Quiescent Hematopoietic Cells with High Proliferative Potential During Ex Vivo Stem Cell Culture", Blood 87(2) :545-556, 1996
	ZIPORI, D., "Regulation of Hemopoiesis by Cytokines that Restrict Options for Growth and Differentiation", Cancer Cells 2(7) :205-211, 1990
	ZIPORI, D., "The Renewal and Differentiation of Hemopoietic Stem Cells", The FASEB Journal 6 :2691-2697, 1992

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